Multimode Polarization Insensitive Isolator (MMI Series)

Rev 11

The Multimode Polarization Insensitive Isolator is designed and manufactured according to Telcordia standard. The unique manufacturing process and optical path epoxy-free design enhance the device high power handling capability. The device is characterized with high performance, high reliability and low cost. It has been widely used in fiber lasers, transmitters and other fiber optics communication equipments to suppress back reflection and back scattering.

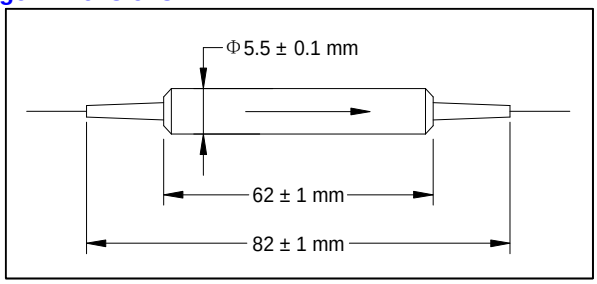
Specifications

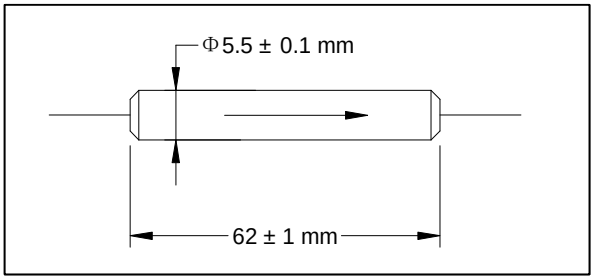
Parameter	Unit	Value
Center Wavelength (λ c)	nm	1310 or 1550
Operating Wavelength Range	nm	λ c ± 20
Typ. Peak Isolation	dB	50
Min. Isolation, 23 ℃	dB	42
Typ. Insertion Loss, 23 ℃	dB	0.50
Max. Insertion Loss, all temperature	dB	0.60
Min. Return Loss (Input/Output)	dB	40/40
Max. Temperature Dependent Loss	dB	0.15
Max. Optical Power (Continuous Wave)	mW	300
Max. Tensile Load	N	5
Fiber Type		Multimode fiber, 62.5/125, 50/125 or 105/125 μm
Operating Temperature	℃	-5 to +70
Storage Temperature	℃	-40 to +85

*IL is 0.3 dB higher for each connector added.

*Above specifications are measured in low order modes.

Package Dimensions:





Ordering Information

MMI-①①-②-③-④-⑤

①①: Wavelength	②: Fiber Core	③: Connector Type	④: Fiber Type	⑤: Fiber Length
31 - 1310 nm	1 - 105 μm	1 - FC/UPC	B - 250 μm bare fiber	1 - 1 m
55 - 1550 nm	2 - 62.5 μm	2 - FC/APC	L - 900 μm loose tube	S - Specify
SS - Specify	3 - 50 μm	3 - SC/UPC	S - Specify	
	S - Specify	4 - SC/APC		
		N - None		
		S - Specify		